



Meeting the Challenge: Preparing a Logistics Architecture to Meet the Requirements of Joint Vision 2010

October 2000

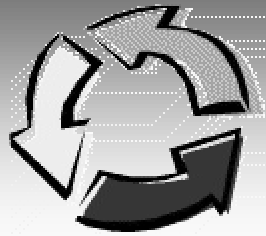
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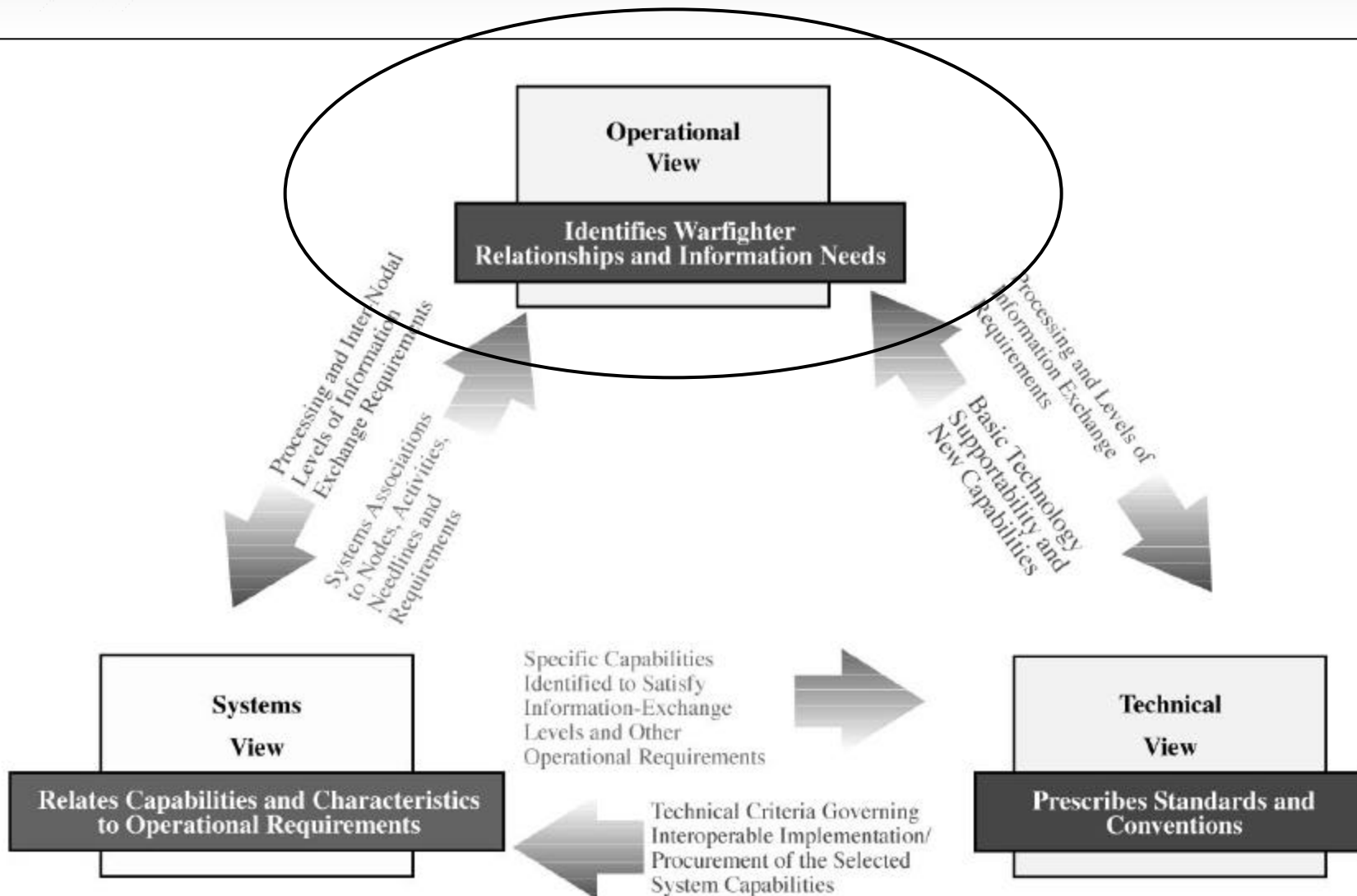


Logistics Architecture Objective

- **Design and guide the implementation of a logistics system that inherently meets the operational requirements of Joint Vision 2010**
 - **Required performance levels**
 - **Functional process**
 - **Capital infrastructure**
 - **Organizational / force structure**
 - **Industrial base**
 - **Information systems**
- **Focus on joint warfighter needs and DOD national level strategy**



Integration of C4ISR Architectures





Core Issues That the Logistics Architecture Must Address

- **Multiple players in deployment and sustainment chain: Services, DLA, TRANSCOM, Supporting CINCs, GSA**
 - **Sourcing** • **Transport**
 - **Distribution** • **Integration**
- **Deployment and sustainment flow into theater not coordinated or synchronized**
- **No effective method to quickly influence the operational or logistics warfighting flow**
- **Numerous players competing for scarce assets; no effective method to implement CINC's logistics priorities**
- **Lack of logistics situational awareness**
- **Numerous disparate business rules that influence the conduct of the mission, but are not supportive of the mission (e.g., financial and Service)**
- **Legacy equipment is difficult to move and requires large levels of sustainment**



Logistics
Realities

Force Capability Variables

Customer (Warfighter) Relevance = Force Capability (FC)

$$FC = \frac{(\text{Requirements}) \times (\text{Distance})}{(\text{Capabilities})} \times (\text{Efficiency})$$

Requirement:

- Lighter Equipment
- Less Equipment
- Less Sustainment

Capabilities:

- Add Lift
- Add Prepositioning
- Add Forward Stationing
- Improved Info Management

Distance:

- Early Movement before C-Day
- Add Prepositioning
- Add Forward Stationing

Efficiency:

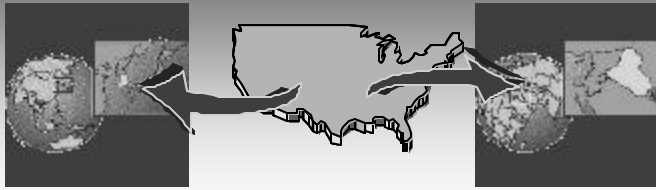
- Velocity Management
- Reduced Footprint
- Focused Logistics

Trade Space Analysis

Major 2010 Fundamental Assumptions



- **Customer is the Warfighting CINC**
- **Logistics performance required under all conditions**
- **Architecture will support full spectrum operations**
- **Architecture will drive necessary modifications to information and communications systems**
- **Reserve forces will be required (from volunteer activation through Presidential Reserve Call-up [PRC])**
- **Focus on managing information and suppliers vice managing stock**
- **2007 DPG force levels remain constant**

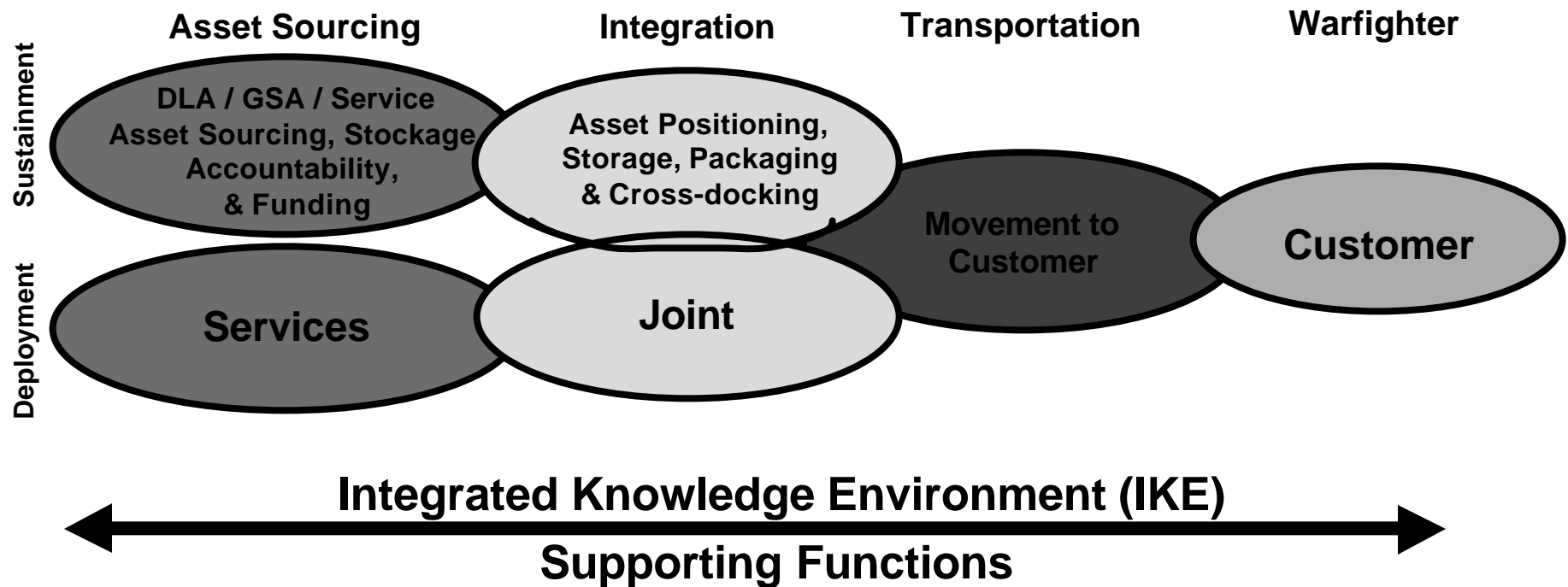


Significant Capability Gaps

- **DOD does not operate in peace as in war**
- **Inability to fully support warfighter with focused (what is needed now) logistics**
- **Saturation of strategic and tactical lift for deployment and sustainment**
- **Lack of capability to fully integrate deployment and sustainment**
- **Inadequate infrastructure to support full spectrum operations**
- **Availability of highly reliable, pervasive, and protected communications and information systems**
- **Lack of interoperable information management systems providing situational awareness and real-time management capability**
- **Inability to deliver anywhere based on a time-definite delivery schedule**
- **Complexity of current funding procedures focuses warfighter attention away from warfight**



DOD Support Chain



National asset managers (NAM) and integrators, working in coalition with a primary transportation agent, manage deployment and sustainment requirements